

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method, comprising:
in an object oriented run-time environment, after a class has been loaded:
 - a) invoking a second method from a first method, said first method belonging to said class, said invoking comprising providing an identification of said first method and a said class ~~that said first method is a part of~~;
 - b) identifying a plug-in module for said first method based upon said identification, said plug-in module containing a handler method;
 - c) executing said handler method to report and/or record information about said first method; and,
 - d) executing said first method from a point beyond where said second method was invoked.
2. (Original) The method of claim 1 wherein said executing of said handler method causes an entry time for said first method to be recorded .
3. (Original) The method of claim 1 wherein said executing of said handler method causes an exit time for said first method to be recorded.

4. (Original) The method of claim 1 wherein said executing of said handler method causes a counter maintained for said first method to be incremented.
5. (Original) The method of claim 1 wherein said executing of said handler method causes an input parameter value of said first method to be recorded.
6. (Original) The method of claim 1 wherein said executing of said handler method causes a returned value of said first method to be recorded.
7. (Original) The method of claim 1 wherein said first method is a constructor.
8. (Original) The method of claim 1 further comprising creating, prior to said invoking, an object having an input parameter value of said first method.
9. (Original) The method of claim 1 wherein said invoking further comprises providing an input parameter value of said first method.
10. (Original) The method of claim 1 wherein said invoking further comprises identifying where said first method's instructions can be found in memory.
11. (Previously Presented) The method of claim 1 further comprising, after said executing said first method from a point beyond where said second method was invoked:

- e) invoking a third method from said first method because said first method is about to reach an exit point, said second method having been invoked from said first method because an entry point of said first method had just been reached;
- f) re-identifying said plug-in module for said first method as a consequence of said invoking a third method;
- g) re-executing said handler method to report and/or record information about said first method; and,
- h) executing a remaining portion of said first method through said exit point.

12. (Previously Presented) The method of claim 1 further comprising, after said executing said first method from a point beyond where said second method was invoked:

- e) flowing from said first method to a third method
- f) invoking said second method from said third method, said invoking comprising providing an identification of said third method and a second class that said third method is a part of;
- g) identifying said plug-in module for said third method based upon said third method and second class identification;
- h) executing said handler method to report and/or record information about said third method; and,

i) executing a portion of said third method from a point beyond where said second method was invoked.

13. (Previously Presented) The method of claim 12 wherein g) further comprises also identifying a second plug-in module for said third method based upon said third method and second class identification, said second plug-in module containing a second handler method.

14. (Previously Presented) The method of class 13 further comprising also executing said second handler method to report and/or record different information about said third method than what said first handler method reported and/or recorded about said third method.

15. (Previously Presented) The method of claim 14 wherein a first object is called to execute said first method and a second object is called to execute said third method.

16. (Previously Presented) The method of claim 15 wherein said object oriented run-time environment is a Java object oriented environment.

17. (Previously Presented) The method of claim 1 wherein said invoking further comprises providing said first method's signature, said first method's signature comprising:

said identification of said first method;
said identification of said class that said first method is a part of; and,
said first method's arguments.

18. (Currently Amended) ~~One or more machine-readable media containing~~ An article of manufacture having stored thereon executable instructions or interpretable program code which when executed by one or more computing systems cause a method to be performed, said method, comprising:

in an object oriented run-time environment, after a class has been loaded:

- a) invoking a second method from a first method, said first method belonging to said class, said invoking comprising providing an identification of said first method and a said class that said first method is a part of;
- b) identifying a plug-in module for said first method based upon said identification, said plug-in module containing a handler method;
- c) executing said handler method to report and/or record information about said first method; and,
- d) executing said first method from a point beyond where said second method was invoked.

19. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said executing of said handler method causes an entry time for said first method to be recorded .

20. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said executing of said handler method causes an exit time for said first method to be recorded.

21. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said executing of said handler method causes a counter maintained for said first method to be incremented.

22. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said executing of said handler method causes an input parameter value of said first method to be recorded.

23. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said executing of said handler method causes a returned value of said first method to be recorded.

24. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said first method is a constructor.

25. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 further comprising creating, prior to said invoking, an object having an input parameter value of said first method.

26. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said invoking further comprises providing an input parameter value of said first method.

27. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said invoking further comprises identifying where said first method's instructions can be found in memory.

28. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 further comprising, after said executing said first method from a point beyond where said second method was invoked :

- e) invoking a third method from said first method because said first method is about to reach an exit point, said second method having been invoked from said first method because an entry point of said first method had just been reached;
- f) re-identifying said plug-in module for said first method as a consequence of said invoking a third method;
- g) re-executing said handler method to report and/or record information about said first method; and,
- h) executing a remaining portion of said first method through said exit point.

29. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 further comprising, after said executing said first method from a point beyond where said second method was invoked:

- e) flowing from said first method to a third method
- f) invoking said second method from said third method, said invoking comprising providing an identification of said third method and a second class that said third method is a part of;
- g) identifying said plug-in module for said third method based upon said third method and second class identification;
- h) executing said handler method to report and/or record information about said third method; and,
- i) executing a portion of said third method from a point beyond where said second method was invoked.

30. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 29 wherein g) further comprises also identifying a second plug-in module for said third method based upon said third method and second class identification, said second plug-in module containing a second handler method.

31. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 30 further comprising also executing said second handler

method report and/or record different information about said third method than what said first handler method reported and/or recorded about said third method.

32. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 31 wherein a first object is called to execute said first method and a second object is called to execute said third method.

33. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 32 wherein said object oriented run-time environment is a Java object oriented environment.

34. (Currently Amended) The ~~one or more machine-readable media~~ article of manufacture of claim 18 wherein said invoking further comprises providing said first method's signature, said first method's signature comprising:

said identification of said first method;

said identification of said class that said first method is a part of; and,

said first method's arguments.